

## Contents Volume 78, 1992

Sedimentology of Pennsylvanian quartzose sandstones of the Lee Formation, central Appalachian Basin: fluvial interpretation based on lateral profile analysis M.C. Wizevich (Blacksburg, VA, USA) .....	1
Siliciclastic-carbonate transitions in surface sediments of a back-reef lagoon north of Dar es Salaam (Tanzania) M. Fay (Dar es Salaam, Tanzania), D.C.P. Masalu and A.N.N. Muzuka (Zanzibar, Tanzania) .....	49
Sequential evolution and diagenesis of Pleistocene coral reefs (South Sinai, Egypt) A. Strasser (Fribourg, Switzerland), C. Strohmenger, E. Davaud (Geneva, Switzerland) and A. Bach (Heidelberg, Germany) .....	59
Fresh-water carbonates from the Lower Freshwater Molasse (Oligocene, western Switzerland): sedimentology and stable isotopes N.H. Platt (Bern, Switzerland) .....	81
Review of Cenozoic ooidal ironstones F.B. van Houten (Princeton, N.J., USA) .....	101
Turbidite deposition in five Miocene, bathyal formations along an active plate margin, North Island, New Zealand: with notes on styles of deposition at the margins of east coast bathyal basins G. Neef (Kensington, NSW, Australia) .....	111
Origin of disconformity dedolomite in the Martin Formation (Late Devonian, northern Arizona) R. Kenny (Tempe, Ariz., USA) .....	137
<i>Book Reviews</i>	
<i>Siliceous Deposits of the Tethys and Pacific Regions</i> , by J.R. Hein and J.A. Obradović (Editors)—S. Sancetta ..	147
<i>Palaeocology of the Flora in Buntsandstein and Keuper in the Trias sic of Middle Europe, Vol. 1. Buntsandstein; Vol. 2. Keuper and Index</i> , by D. Mader—H. Kerp .....	148
<i>Source and Sediment: A Case Study of Provenance at an Active Plate Margin (Calabria, Southern Italy)</i> , by H. Ibbeken and R. Schleyer—E.F. McBride .....	149
<i>Evaporite Sedimentology. Importance in Hydrocarbon Accumulation</i> , by J.K. Warren—G. Harwood .....	151
<i>Aeolian Grain Transport, Vol. 1. Mechanics</i> , by O.E. Bandorff-Nielsen and B.B. Willetts (Editors)—S. Bogs, Jr. ....	152
<i>ExpresSed</i>	
Oxygen-isotope evidence for upward, cross-formational porewater flow in a sedimentary basin near maximum burial P. de Caritat (Calgary, Alta., Canada) and J.C. Baker (Queensland, Australia) .....	155
Selective silicification of fossils by syntaxial overgrowths on quartz sand, Oriskany Sandstone (Lower Devonian), New York R.G. Maliva (Miami, Fla., U.S.A.) .....	165
Pliocene/Pleistocene platform facies transition recorded in calciturbidites (Exuma Sound, Bahamas) J.J.G. Reijmer, W. Schlager, H. Bosscher, C.J. Beets (Amsterdam, The Netherlands) and D.F. McNeill (Miami, Fla., U.S.A.) .....	171
Grain fabric of hummocky and swaley cross-stratification K. Yagishita (Morioka, Japan), S. Arakawa (Chiba, Japan) and A. Taira (Tokyo, Japan) .....	181
A comparison of grab- and freeze-sampling techniques in the collection of gravel-bed river sediment M.C. Thoms (Sydney, N.S.W., Australia) .....	191
Carbonate replacement of lacustrine gypsum deposits in two Neogene continental basins, eastern Spain P. Anadón, L. Rosell (Barcelona, Spain) and M.R. Talbot (Bergen, Norway) .....	201
Variation in bed thickness in a turbidite succession, Dezadeash Formation (Jurassic-Cretaceous), Yukon, Canada: evidence of thinning-upward and thickening-upward cycles G.W. Lowey (Whitehorse, Yukon, Canada) .....	217

<sup>87</sup> Sr/ <sup>86</sup> Sr dating of coralline algal limestones and its implications for the tectono-stratigraphic evolution of the eastern Prebetic (Spain) C.J. Beets and M.J. De Ruig (Amsterdam, The Netherlands) . . . . .	233
The diagenesis of continental (Karoo-Tertiary?) siliciclastics from an East African rift valley (Rukwa-Tukuyu area), Tanzania H. Dypvik (Oslo, Norway) and H. Nesteby (Trondheim, Norway) . . . . .	251
Sedimentology and mineral composition of the Kurnub Sandstone in Wadi Qsieb, SW Jordan B.S. Amireh (Amman, Jordan) . . . . .	267
Diagenetic control on secondary porosity in flood plain deposits: an example of the Lower Triassic of northeastern Belgium Ph. Muchez, W. Viaene (Heverlee, Belgium) and M. Dusar (Brussels, Belgium) . . . . .	285